

**Notice of Allowability**

Application No.

10/005,968

Examiner

Matthew C. Sams

Applicant(s)

AMANULLAH ET AL.

Art Unit

2617

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/2/2006.
2. ☒ The allowed claim(s) is/are 1-5, 7, 8 and 10-15.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

## DETAILED ACTION

### ***Allowable Subject Matter***

1. Claims 1-5, 7, 8, 10-15 are allowed.

### ***Examiner's Statement of Reasons for Allowance***

2. The following is a statement of reasons for the indication of allowable subject matter:

Applicant's invention is drawn to a power controller for a transmitter that measures and compares the coupled value of a power amplifier to a predetermined low power threshold:

- wherein if the coupled value is lower than the predetermined low power threshold, a low power extrapolation occurs.
- wherein if the coupled value is above the predetermined threshold but not equal to a predetermined set value, a control value is adjusted until the measured value is substantially equal to the set value.

3. Applicant's independent claims 1, 5, 8, 11 and 15 recites, *inter alia*, a system comprising a transmitter that includes a power amplifier, a power controller adapted to receive a coupler value of a power level at the output of the power amplifier, wherein if the power level is above a predetermined low power threshold and if the coupler value is not equal to a set value, a control value is adjusted until the coupler value is substantially equal to the set value, or perform a low power extrapolation if the power

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level is below the predetermined threshold. Applicant's claims 1, 5, 8, 11 and 15 comprise a particular combination, which is neither taught nor suggested by the prior art.

4. Applicant's independent claim 3 recites, *inter alia*, a method for use in a telecommunications transmitter comprising initializing low power threshold, nominal transmit power, coupler and transmit DAC values, specifying a set power level, setting a transmit DAC with a nominal transmit DAC value corresponding to set power level, reading an output of a power coupler and determining a power coupler value after the transmit DAC is set with nominal transmit DAC value, comparing power coupler value to a nominal power coupler value and adjusting the transmit DAC so that the power coupler value substantially matches the nominal power coupler value if the set power level is greater than the lower power threshold and extrapolating past transmit DAC values to set the transmit DAC if the set power level is less than the low power threshold. Applicant's claim 3 comprises a particular combination, which is neither taught nor suggested by the prior art.

5. Accordingly, Applicant's claims are allowed for these reasons and for the reasons recited by the Applicant in the Amendments filed on 3/28/2005, 8/22/2005, 10/21/2005 and the Examiner's Reasons for Allowance in the Office Action filed on 12/29/2005.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew C. Sams whose telephone number is (571)272-8099. The examiner can normally be reached on M-F 7:30-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on (571)272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MCS  
4/3/2006



**LESTER G. KINCAID**  
**SUPERVISORY PRIMARY EXAMINER**